

Dale Haines Operations Manager

SCANNED

Union Oil Company of California 3800 Centerpoint Drive Suite 100 Anchorage, Alaska 99503 Tel 907 263 7951 Fax 907 263 7698 Email daleah@chevron.com

December 17, 2010

RECEIVED

DEC 2 2 2010

Mr. Chae Park U.S. Environmental Protection Agency Region 10, Water Compliance Section 1200 Sixth Avenue, OW-133 Seattle, WA 98101

DEC
Division of Water Quality
Wastewater Discharge Program

RETURN RECEIPT REQUESTED - CERTIFIED MAIL 91 7108 2133 3938 6085 9189

Re: NPDES Permit No. AKG-31-5002

Trading Bay Production Facility November 2010 Discharge Monitoring Reports (DMR)

Dear Mr. Park:

Union Oil Company of California ("Union") operates the Trading Bay Production Facility that discharges regulated effluents in Cook Inlet, Alaska under NPDES Permit No. AKG-31-5002. Pursuant to condition VI.B of the Permit, Union Oil Company of California is hereby submitting the November 2010 NPDES Discharge Monitoring Reports (DMRs) for the Trading Bay Production Facility.

Please take note that Union is using the forms provided by EPA with corrections to accommodate the reporting that is required by the permit. The corrections were approved by your Data Steward in an e-mail to Marilu Moreno-Jones dated September 3, 2010. Union plans to use this same format for future DMR submittals.

Consistent with the authorization in your e-mail of September 16, 2010, this letter certifies all of the 5 pages of DMRs for Trading Bay Production Facility attached to this letter.

If you have any questions, please direct them to Ms. Marilu Moreno-Jones at 907-263-7305 or via e-mail at mmjones@chevron.com.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Best regards.

Dale Haines

cc: ADEC / Certified Mail 91 7108 2133 3938 6085 9196

Form Approved OMB No. 2040-0004

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)

NAME:

UNION OIL COMPANY OF CALIFORNIA (UNOCAL)

ADDRESS: P.O. BOX 196247

ANCHORAGE, AK 99519-6247

FACILITY: TRADING BAY TREATMENT FACILITY

LOCATION: COOK INLET, Alaska

ATTN: JOHN ZAGER, GENERAL MANAGER

AKG315002 PERMIT NUMBER

FROM

015-A DISCHARGE NUMBER

MONITORING PERIOD MM/DD/YYYY MM/DD/YYYY 11/01/2010 11/30/2010 TO

DMR Mailing ZIP CODE: 99519

MINOR (SUBR 02)

PRODUCED WATER AND SAND

External Outfall

No Discharge

PARAMETER		QUAN	TITY OR LOADIN	G		QUALITY OR COM	CENTRATION	e dreuii	NO.	FREQUENCY OF ANALYSIS	SAMPLE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	-		III
рН	SAMPLE MEASUREMENT	******		T	NA		NA .	NA	NA	NA NA	NA
00400 V 0 See Comments	PERMIT REQUIREMENT				6 MINIMUM	*****	9 MAXIMUM	SU		Monthly	GRAB
pH	SAMPLE MEASUREMENT				7.0		8.4	SU	0	Weekly	GRAB
00400 W 0 See Comments	PERMIT REQUIREMENT				6 MINIMUM		9 MAXIMUM	SU		Weekly	GRAB
Oil and grease	SAMPLE MEASUREMENT	•••••	•••••		•••••	NA NA	NA	NA .	NA	NA NA	NA
03582 T 0 See Comments	PERMIT REQUIREMENT				••••	29 MO AVG	42 DAILY MX	ug/L		Weekly	GRAB
Oil and grease	SAMPLE MEASUREMENT					20	28	ug/L	0	Weekly	COMP24
03582 U 0 See Comments	PERMIT REQUIREMENT	******			••••	29 MO AVG	42 DAILY MX	ug/L		Weekly	COMP24
Flow, in conduit or thru treatment plant*	SAMPLE MEASUREMENT	3.313186	3.423168	Mgal/d			•••••		NA	Monthly	ESTIMA
50050 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. MO AVG	Req. Mon. DAILY MX	Mgal/d			-	*****	EADA	Monthly	ESTIMA
Produced water, free oil	SAMPLE MEASUREMENT	•••••	NA	NA NA					NA	NA .	NA.
79834 1 0 Effluent Gross	PERMIT REQUIREMENT		Req. Mon. MO TOTAL	occur/mo		******	*****			Daily	VISUAL

MILLIAND AL EXCODITAL OFFICER	recoveration with a system designed to assure that qualified personnel properly guiller and evaluate the information	The state of the s	TEL	EPHONE	DATE	
John Zager, General Manager	submitted. Desert on my impairs of the powers or params who reamage the system, or these persons directly exposurable for gathering the information. The information mismitted is, to the best of my knowledge and belief, two, sciences, and complete. I am sower that there are significant remarking for production that information that information the model of the contraction of the contraction that the contra	787 (2000)	(907)	276-7600	11/17/2010	
TYPED OR PRINTED	and imprincement for knowing violations.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER	AREA Code	NUMBER	MM/DD/YYYY	

* Flow rates include deck drainage from Dolly Varden, Grayling, King Salmon, Monopod, and Steelhead Platforms.

NO DISCHARGE OF PRODUCED SAND IS ALLOWED

T = GRAB SAMPLE

U = COMPOSIT SAMPLE

V = DISCHARGE < 1 MGD (PREVIOUS MONTHS AVG RATE)

W = DISCHARGE > 1 MGD (PREVIOUS MONTH'S AVG RATE)

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LOCATION: COOK INLET, Alaska

ATTN: JOHN ZAGER, GENERAL MANAGER

AKG315002 PERMIT NUMBER

015-A DISCHARGE NUMBER

MONITORING PERIOD MM/DD/YYYY MM/DD/YYYY FROM 11/01/2010 TO 11/30/2010

DMR Mailing ZIP CODE: 99519

MINOR (SUBR 02)

PRODUCED WATER AND SAND

External Outfall

No Discharge

PARAMETER		QUAN'	TITY OR LOADIN	G		QUALITY OR COM	CENTRATION		NO.	FREQUENCY OF ANALYSIS	SAMPLE
No.		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	EX	OT MAKETSIS	TYPE
Nitrogen, ammonia total (as N)	SAMPLE MEASUREMENT	*****	*****			No Sample	No Sample	mg/L	NA	Quarterly	0010
00610 1 0 Effluent Gross	PERMIT REQUIREMENT		•		••••	Req. Mon. MO AVG	Req. Mon.	mg/L	144		GRAB
Silver total recoverable	SAMPLE MEASUREMENT	•••••	•••••		•••••	5	DAILY MX	ug/L	0	Quarterly	GRAB
01079 1 0 Effluent Gross	PERMIT REQUIREMENT		7 ""			23 MO AVG	47	ug/L		Monthly	GRAB
Silver total recoverable	SAMPLE MEASUREMENT	******	*****			NA NA	DAILY MX NA	NA .	NA NA	NA	NA NA
01079 P 0 See Comments	PERMIT REQUIREMENT			*****		23 MO AVG	47	ug/L		Quarterly	CALCTD
Silver total recoverable	SAMPLE MEASUREMENT		*****		*****	NA NA	DAILY MX NA	NA.	NA.	NA NA	375 51 5
01079 Q 0 See Comments	PERMIT REQUIREMENT		****	*****	700	23	47	ug/L	1000	Weekly	NA COLO
Zinc, total recoverable	SAMPLE MEASUREMENT	*****	******			MO AVG	DAILY MX 0.03	mg/L	0		GRAB
11094 1 0 Effluent Gross	PERMIT REQUIREMENT					0.9	1.9	mg/L		Monthly	GRAB
inc, total recoverable	SAMPLE MEASUREMENT	••••	******			MO AVG NA	DAILY MX	NA	NA NA	Monthly	GRAB
1094 P 0 See Comments	PERMIT REQUIREMENT	••••	•		••••	0.9	1.9	mg/L	NA	NA	NA
inc, total recoverable	SAMPLE MEASUREMENT	*****			*****	MO AVG NA	DAILY MX	NA	NA NA	Monthly	GRAB
1094 Q 0 see Comments	PERMIT REQUIREMENT				*****	0.9 MO AVG	1.9 DAILY MX	mg/L	NA	NA Quarterly	NA GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I satisfy under punchly of face that this document and all attachments were prepared under my direction or supervisors.				
John Zager, General Manager	accordance with a system designed to assess that qualified presented properly gather and evaluate the information of approximate administrated frame on any impairty of the province or persons who manage the system, or those persons design of the property of the province administrate in the test of the province of the persons design of the information of the information administrate is to the test of my homologies and belief, two, accordance, and		TEL	EPHONE	DATE
Mid Continent/Alaska Business Unit	and the state of t	Table Control of the	(907)	276-7600	444490040
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER	(807)	270-7000	11/17/2010
DMMENTS AND EXPLANATION OF ANY VIOLATIONS	(Reference all attachments here)	OR AUTHORIZED AGENT	AREA Code	NUMBER	MM/DD/YYYY

P=MONT. REDUCE (II.G.6.a.1.) Q=MONT INCREASE (II.G.6.a.2.) R=ACCELERATED TESTING (III.A.7)

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LOCATION: COOK INLET, Alaska

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External Outfall

No Discharge

PARAMETER		QUANT	TITY OR LOADIN	G		QUALITY OR CO	NCENTRATION		NO.	FREQUENCY OF ANALYSIS	SAMPLE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	Luna	EX	OF AMALYSIS	TYPE
Copper, total recoverable	SAMPLE MEASUREMENT		*****			6	6 6	UNITS ug/L	0		
01119 1 0 Effluent Gross	PERMIT REQUIREMENT				*****	47	117	ug/L		Monthly	GRAB
Copper, total recoverable	SAMPLE MEASUREMENT	•••••			••••	MO AVG NA	DAILY MX		1000	Monthly	GRAB
01119 P 0 See Comments	PERMIT REQUIREMENT		*****		*****	47	117	NA ug/L	NA	NA .	NA
Copper, total recoverable	SAMPLE MEASUREMENT					MO AVG	DAILY MX			Quarterly	GRAB
01119 Q 0 See Comments	PERMIT	•••••	*****	•••••		NA 47	NA 117	NA	NA	NA	NA
Manganese, total recoverable	REQUIREMENT SAMPLE					MO AVG	DAILY MX	ug/L		Weekly	GRAB
11123 1 0	MEASUREMENT PERMIT	******			*****	2	2	mg/L	0	Monthly	GRAB
Effluent Gross Manganese, total recoverable	REQUIREMENT					25 MO AVG	50 DAILY MX	mg/L		Monthly	GRAB
	SAMPLE MEASUREMENT	*****	******		*****	NA .	NA NA	NA	NA	NA NA	
1123 P 0 See Comments	PERMIT REQUIREMENT		•			25	50	mg/L	161	101	NA
Manganese, total recoverable	SAMPLE MEASUREMENT					MO AVG NA	DAILY MX		316.73	Quarterly	GRAB
1123 Q 0 See Comments	PERMIT		*****			25	NA 50	NA mg/L	NA	NA NA	NA
otal Aromatic Hydrocarbons	REQUIREMENT SAMPLE					MO AVG	DAILY MX	mg/L	31	Weekly	GRAB
9942 1 0	MEASUREMENT PERMIT		••••		******	10	10	mg/L	0	Monthly	GRAB
ffluent Gross	REQUIREMENT					18 MO AVG	27 DAILY MX	mg/L	thai t	Monthly	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I certify under puncity of law that this document and all attachments were proposed scaler my direction or supervision			and the same of	
Julii Zager, General Manager	necondame with a system designed to assure that qualified personnel properly gather and extractes or supervisors arbeitable. Head on may inspirely of the persons a personne who summer the system, or those persons districtly responsible for gathering the information, the information is ordered to it, we do but of only including and build, from, instrum, and		TEL	EPHONE	DATE
TYPED OR PRINTED	and imprisonment for knowing violations.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER	(907) 276-7600		11/17/2010
COMMENTS AND EXPLANATION OF ANY VIOLATIONS	(Reference all attachments here)	OR AUTHORIZED AGENT	AREA Code	NUMBER	MM/DD/YYYY

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LOCATION: COOK INLET, Alaska

ATTN: JOHN ZAGER, GENERAL MANAGER

AKG315002 PERMIT NUMBER 015-A DISCHARGE NUMBER

| MONITORING PERIOD | MM/DD/YYYY | MM/DD/YYYY | MM/DD/YYYY | FROM | 11/01/2010 | TO | 11/30/2010 |

DMR Mailing ZIP CODE: 99519

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PARAMETER		QUAN	TITY OR LOADIN	G		QUALITY OR CO	NCENTRATION	U E	NO.	FREQUENCY	SAMPLE
	X III LWX 110 IZ HEIS	VALUE	VALUE	UNITS	VALUE	VALUE	T	100	EX	OF ANALYSIS	TYPE
Total Aromatic Hydrocarbons	SAMPLE MEASUREMENT	******				NA NA	VALUE	UNITS			
39942 P 0 See Comments	PERMIT REQUIREMENT	*****	•		•••••	18	27	mg/L	NA	NA .	NA.
Total Aromatic Hydrocarbons	SAMPLE MEASUREMENT	******	******			MO AVG	DAILY MX		1-5	Quarterly	GRAB
39942 Q 0	PERMIT		*****	******	******	NA .	NA NA	NA	NA	NA NA	NA
See Comments Total Aqueous Hydrocarbons	REQUIREMENT					18 MO AVG	27 DAILY MX	mg/L		Weekly	GRAB
50259 1 0	MEASUREMENT	*****	*****			10	10	mg/L	0	Monthly	0010
ffluent Gross	PERMIT REQUIREMENT					Req. Mon. MO AVG	Req. Mon.	mg/L			GRAB
otal Aqueous Hydrocarbons	SAMPLE MEASUREMENT				•••••		DAILY MX			Monthly	GRAB
60259 P 0 Effluent Gross	PERMIT					NA Reg. Mon.	NA Reg. Mon.	NA	NA	NA .	NA
otal Aqueous Hydrocarbons	REQUIREMENT SAMPLE					MO AVG	DAILY MX	mg/L		Quarterly	GRAB
0259 Q 0	MEASUREMENT PERMIT				******	NA	NA .	NA	NA	NA NA	NA
ffluent Gross lercury, total (as Hg)	REQUIREMENT	TEN SHIP				Req. Mon. MO AVG	Req. Mon. DAILY MX	mg/L		Weekly	0010
	SAMPLE MEASUREMENT	•••••	•••••			0,2	0.2				GRAB
1900 1 0 ffluent Gross	PERMIT REQUIREMENT		*****	******	*****	0.6	1.0	mg/L ug/L	0	Monthly	GRAB
lercury, total (as Hg)	SAMPLE					MO AVG	DAILY MX			Monthly	GRAB
1900 P 0	MEASUREMENT PERMIT	*****	******		******	NA	NA NA	NA	NA	NA	NA
ee Comments	REQUIREMENT					0.6 MO AVG	1.0 DAILY MX	ug/L	1000	Quarterly	GRAB

princing the information, the information the	neterantes were prepared under my disorders or supervision. of personnel property gather and weakants the information who message the system, or those persons directly responsible for to the best of my knowledge and belief, two, secureta, and		TEL	EPHONE	DATE
TYPED OR PRINTED ENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here	for substalling false information, including the possibility of fine SIGNATURE	OF PRINCIPAL EXECUTIVE OFFICER	(907) 276-7600		11/17/2010

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PARAMETER		QUAN	TITY OR LOADIN	G		QUALITY OR CO	NCENTRATION	27/	NO.	FREQUENCY	SAMPLE
		VALUE	VALUE	UNITS	VALUE	VALUE			EX	OF ANALYSIS	TYPE
Mercury, total (as Hg)	SAMPLE MEASUREMENT	••••			*****	NA NA	VALUE	UNITS			Heal
71900 Q 0 See Comments	PERMIT REQUIREMENT				******	0.6	1.0	NA ug/L	NA	NA	NA.
Toxicity, Chronic* Dendraster excentricus	SAMPLE	*****	*****			MO AVG	DAILY MX	ug/L		Weekly	GRAB
TT000 1 0	MEASUREMENT PERMIT	*****	******		*****	143	143	TUa	0	Semiannual	GRAB
See Comments Toxicity, Chronic*	REQUIREMENT				•	283 MO AVG**	568 DAILY MX**	toxic	2 1-1	See Permit	
Menidia beryllina	SAMPLE MEASUREMENT	******	*****			No Sample				See Permit	GRAB
TT000 1 0 See Comments	PERMIT REQUIREMENT		*****	******		283	No Sample	TUc	NA	Annual	GRAB
Toxicity, Chronic* Mytilus galloprovincialis	SAMPLE		•••••			MO AVG**	DAILY MX**	HOXIC	87 F.D	See Permit	GRAB
T000 1 0	MEASUREMENT PERMIT	******	•••••		****	No Sample	No Sample	TUc	NA	Annual	GRAB
See Comments oxicity, Chronic*	REQUIREMENT				-	283 MO AVG**	568	toxic		66	
	SAMPLE MEASUREMENT					NA NA	DAILY MX**			See Permit	GRAB
T000 R 0 See Comments	PERMIT		••••		******	283	NA 568	NA	NA	NA	NA
oxicity, Chronic	REQUIREMENT					MO AVG	DAILY MX	toxic		See Permit	GRAB
T000 Q 0	MEASUREMENT		*****	******	•••••	NA	NA	NA	NA	NA.	NA.
ffluent Gross	PERMIT REQUIREMENT			******	*****	283 MO AVG	568 DAILY MX	toxic		See Permit	N/A

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER I certify under possibly of law that this document and all attachments were prepared under my direction or sup-	artision		
John Zager, General Manager submitted. Based on my inspirity of the person or personal property gather and evaluate the information personal property gather and evaluate the information of the person of personal who manage the system, or those persons directly real gathering the information, the information of the personal p	tion possible for	TELEPHONE	DATE
TYPED OR PRINTED and imprisonment for knowing violations.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER	(907) 276-7600	11/17/2010
COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here) "Trading Bay Treatment Facility conducted its quadrata."	OR AUTHORIZED AGENT	AREA Code NUMBER	MM/DD/YYYY

*Trading Bay Treatment Facility conducted its quarterly WET testing in February and May 2010. Fourth quarter WET testing occurred in October 2010, but the results were

*Trading Bay Treatment Facility conducted its annual three species WET testing in August 2010 **Section II.F.4 of the permit.

P=MONT. REDUCE (II.G.6.a.1.) Q=MONT INCREASE (II.G.6.a.2.)

R=ACCELERATED TESTING (III.A.7) EPA Form 3320-1 (Rev.01/06) Previous editions may be used